

EDUCATION

University of the Philippines – Los Baños
Bachelor of Science in Computer Science

Los Baños, Laguna
August 2024

Overall General Weighted Average: 1.94 - Honor Roll

Relevant Coursework: Data Structures and Algorithms, Web Programming, Introduction to Software Engineering

Special Problem Project: Clustera - A Tool for Document and Textual Analysis using Latent Semantic Analysis and Latent Dirichlet Allocation

WORK EXPERIENCE

LOPhils Incorporated
Back-end Developer Intern

Quezon City, Manila
July – August 2023

- Collaborated with a development team to build a website using cloud computing services from Amazon Web Services.
- Developed, updated and integrated GraphQL API services and updated existing database schemas.
- Identified and fixed behavioral and user interface bugs, enhancing user experience and improving system functionality.
- Documented backend, environment setup and errors encountered improving onboarding experience by 100%.
- Utilized the Frameworks React, Tailwind, GraphQL, Node.js, and various Amazon Web Services (AWS).

PROJECTS

TrackIt | Next.js, D3.js, Tailwind, Spring Boot

July – Present 2024

- Developed a Web Application to track and display a users' financial expenses and overall income.
- Implemented authentication using JSON Web Tokens to improve web application security.
- Developed and integrated full CRUD RESTful API services.
- Integrated charts made with D3.js to provide informative insights on user finances.
- Deployed the web applications frontend on Vercel and the backend on Render.

Clustera | React.js, D3.js, Tailwind, Django, Scikit-Learn, Gensim, Amazon EC2

February – May 2024

- Developed a web application designed to serve as a tool for document and textual analysis.
- Utilized topic modeling techniques for topic classification, clustering, and generation of topics.
- Developed and integrated Clustering models and classification models with an average accuracy of 83.39%.
- Integrated charts made with D3.js to provide informative insights and visualization for easier interpretation of data.
- Deployed the web applications frontend on Vercel and the backend on an Amazon EC2 instance.

Lol Code interpreter | Python

October – November 2022

- Developed an interpreter for the LOL programming language using Python.
- Included a Graphical User Interface for user interaction using the Python library Tkinter.
- Implemented a Lexical Analyzer to process tokens and a Syntax Analyzer to check code structure and grammar.

Social Media Application | React.js, CSS, Node.js, MongoDB

May 2021

- Developed a social media web application enabling users to post and share their thoughts.
- Developed and integrated full CRUD RESTful API services.
- Built the frontend using React.js and used Node.js and Express for the backend.

SKILLS

Programming languages: Python, JavaScript, TypeScript, Java, SQL

Frameworks: React, Django, D3.js, Next.js, Express, Tailwind, Spring Boot, GraphQL

Libraries: OpenCV, Selenium, Scikit-Learn, Gensim, Node.js

Databases: MongoDB, PostgreSQL

Others: Git, Amazon Web Services, Topic Modelling